# BLUETOOTH **HEADSET**

GB **BLUETOOTH HEADSET**
Operating instructions

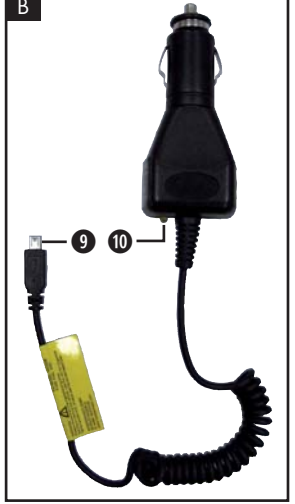
KOMPERNASS GMBH · BURGSTRASSE 21 · D-44867 BOCHUM
www.kompernass.com
ID-Nr.: KH2356-12/07-V2

SilverCrest

# KH 2356

A

B




C

D

# Index Page


| | |
|---|---|
| 1. Safety instructions | 2 |
| 2. Puting into use | 4 |
| 3. Operation | 8 |
| 4. Using the headset | 11 |
| 5. LED status indicator | 14 |
| 6. Troubleshooting | 15 |
| 7. Cleaning and care | 16 |
| 8. Technical Data | 17 |
| 9. Disposal | 18 |
| 10. Importer | 18 |
| 11. Important Warranty Information | 19 |


Read the operating instructions carefully before using the device for the first time and preserve this booklet for future reference. Pass this booklet on to whoever might acquire the device at a later date.

# 1. Safety instructions

## Intended Use

The Bluetooth® Headset KH 2356 is designed for hands free operation when using a mobile telephone. The headset uses Bluetooth radio technology as well as a digital signal processor (DSP) to carry out phone call functions.

This device may only be used for private domestic purposes, it is NOT suitable for industrial or commercial applications. This product is, by default, not intended for utilisation in activities concerned with medicinal, lifesaving or life sustaining applications . With regard to technical safety, and in consideration of electro-magnetic tolerance and shielding efficiency, only connection cables and external devices that are compatible with this device may be used .

In regard to EC conformity, this device fulfills all of the relevant standards and guidelines. Should modifications be made to the device without agreement from the manufacturer, compliance with these standards and guidelines can no longer be assured. Only use accessories supplied by the manufacturer. If you are using the device outside the borders of the Federal Republic of Germany you are required to observe the relevant laws and regulations of the country in which it is being used.

## ⚠ General safety notices

- Do not attempt to open or repair the device. Should you do so, the safety of the device may be compromised and the warranty becomes void.
- Arrange for defective devices to be repaired only by Customer Services or by authorised specialists.
- Never subject the device to moisture, extreme temperatures or extreme vibrations. Do not use the device in the rain.

### ⚠ *Attention!*

*The device contains a Lithium polymer battery. Do not throw the device and/or batteries into a fire. There is the risk of an explosion!*

- Do not allow children and people who require supervision to play with the device, they could injure themselves or cause damage to the device.

### ⚠ *Attention!*

*During long absences or thunderstorms pull the power supply unit out of the power socket.*

## ⚠ Connection to other mobile telephones

- If you wish to connect the device to another device, read the operating instructions to obtain detailed safety instructions. Do not connect it to a product that is not compatible.

### ⚠ High frequency signals in vehicles

HF signals can, under certain circumstances, negatively influence the function of improperly installed or insufficiently shielded electronic systems in vehicles, e.g. electronic ABS, electronic tempo controllers and airbag systems. For further information about your vehicle or its possible ancillaries get in touch with the respective manufacturer or their representative. Because of the high frequency emissions do not use a switched on headset in hospitals or operation rooms.

# 2. Puting into use

## Unpacking

1. Remove the headset and accessories from the packaging.
2. Remove all adhesive tapes, foils and transport restraints.

## Items supplied

Before puting the device into use, check that all items are present and free of visible damage.

- Headset
- Power supply unit
- Vehicle adapter
- Storage case
- This operating manual

## Device description

### A Headset

❶ Retaining clip
❷ Mini USB connection
❸ Multi function button
❹ + button
❺ - button
❻ LED status display
❼ Microphone
❽ Ear piece

### B Vehicle adapter

❾ Mini USB plug
❿ Yellow operation LED on the vehicle adapter

### C Mains plug

❾ Mini USB plug
❿ Yellow operation LED on the power supply unit

### D Storage case

## Introduction

Bluetooth is a wireless communication system with a short range. It makes possible wireless connections between Bluetooth devices such as, for example, mobile telephones, PDA and PCs. Bluetooth relates itself to a worldwide standard for operation in the internationally recognised ISM Frequency Range (Industrial, Scientific and Medical). Within the ISM Frequency Range (2,402 - 2,480 GHz), a data transfer range of approx. 10 Meters (Class II) is achieved. The disturbance susceptibility through other users of the ISM Frequency range, such as for example microwaves, WLAN (802.116) or garage door openers, is minimized by so-called "Frequency-Hopping". With Frequency hopping, a change of frequency levels takes place at up to 1600 times per second, thereby Bluetooth is also considerd to be relatively tap proof.

## Charging the battery

You can charge the headset via the power supply unit or the vehicle adapter.

### ⚠ *Attention!*

*Only charge the headset with the supplied power supply unit and/or the supplied vehicle adapter.*
*Do not use any other charging device or power supply unit! Only connect the vehicle adapter to a cigarrette lighter socket (In vehicle receptical) with a 12 V or 24 V supply.*

The headset is equipped with a rechargeable Lithium Ion battery. Before initial operation this must be fully charged, approx. 2 hours. A fully loaded battery will provide power for a speaking duration of 8 hours and for Standby mode approx. 200 hours.

- Connect the power supply unit to an easily reachable and freely accessible power socket and/or the vehicle adapter in the cigarrette lighter socket (In vehicle receptical) of the vehicle. When the vehicle adapter and/or the power supply unit is connected to the power source the yellow operation LED will light up.
- Insert the Mini USB plug of the power supply unit/vehicle adapter into the Mini USB input of the headset.

The battery will now charge up. The LED status indicator light remains yellow for the duration of the charging process.

- After the battery is fully charged the LED status indicator light goes out.

### ⓘ *Notice regarding disconnection from mains-power*

*When the headset is connected via the power supply unit or vehicle adapter a connection to the supply voltage remains even with a fully charged battery. To completely disconnect the device from the power supply the power supply unit must be unplugged from the socket and/or the vehicle adapter removed from the cigarrette lighter socket (In vehicle receptical) of the vehicle.*

# 3. Operation

## Switching the headset on and off

### Switching on

The device is switched off.

- Press and hold the Multi function button for 5 seconds, until an ascending sound effect can be heard. The LED status indicator blinks blue 5 times. After which the headset is in standby mode and the LED status indicator blinks blue every 3 seconds.

### Switching off

The device is in standby mode.

- Press and hold the Multi function button for 3 seconds, until a descending sound effect can be heard. The LED status indicator blinks yellow 5 times and then goes out.

## Coupling the headset with a mobile phone

The headset was specially developed for mobile telephones, which support the Bluetooth Profile "Handsfree (HFP) and Headset (HSP)". Further information about Bluetooth radio technology is to be found in the operating instructions for your mobile telephone. Before you can use the headset you must couple it with a compatible mobile telephone (Pairing).

- Check to make sure the mobile telephone is switched on.
- Programme the mobile telephone so that it searches for Bluetooth devices. A detailed description of how to do this is to be found in the operating instructions for your mobile telephone.
- Make sure that the headset is charged and switched off.
- Place the headset and mobile telephone so that they are not more than 1 meter apart.
- Press and hold the Multi function button for 8 seconds until you hear a short high signal tone and the LED status indicator lights up with alternating yellow and blue lights. The headset is now in coupling mode.
- Select the input "BT Headset" from the list of available devices in the mobile telephone.
- Enter the pre-programmed code "**0000**" and confirm it to couple the devices together. This mobile telephone now becomes the default telephone for the headset. You hear a high double tone and the LED status indicator blinks blue every 3 seconds. The headset is now in standby mode.
- You can now use the headset.

### ⓘ *Note:*

*If the coupling is not completed within 2 minutes switch the headset off. The LED status indicator goes out and you hear a deep signal tone.*

## Coupling the headset with several mobile telephones

You can couple the headset with up to eight compatible mobile phones. However, it can only be connected with one mobile telephone at a time. If a further mobile telephone is coupled with the headset, the coupling information of the first coupled mobile telephone is erased. When the headset is switched on, within a few seconds it tries to establish a connection with the default telephone or the last used mobile telephone. If no connection can be established the headset nevertheless remains recognizable to other mobile telephones. To use the headset with a coupled mobile telephone, which is not the default or last used mobile telephone, the connection must be established via the Bluetooth menu of the mobile telephone.

## Disconnecting the connection

When you want to disconnect the mobile telephone from the headset to connect it to, for example, another Bluetooth device:

- Switch the headset off

or

- disconnect the connection via the Bluetooth menu in the mobile telephone.

You must not delete the coupling with the headset in the Bluetooth menu to disconnect the connection.

### Re-establishing the connection

When you want to reconnect the headset with the default and/or the last used mobile telephone:

- Make sure that Bluetooth is activated in the mobile telephone and switch the headset on.

With the connection of a previously coupled mobile telephone, a pass code need not be entered. You can set up your mobile telephone so that when the headset is switched on a connection with the mobile telephone is automatically established. Further information regarding automatic coupling is to be found in the operating instructions for your mobile telephone.

## 4. Using the headset

After successful coupling, the following functions are available to you. Some of the described functions are only possible with a mobile telephone that supports the Handsfree Profile (HFP).

### Low battery indicator

When the battery is low the LED status indicator blinks yellow. In this case charge the headset via the power supply unit or the vehicle adapter.

### Call function

- Use your mobile telephone in the usual way to make a call.
- For redialing of the last number called, press briefly the Multi function button twice whilst in standby mode.

- For activation of voice dialling, press briefly the Multi function button once whilst in standby mode. After you hear a short, high signal tone you can speak the call number from your mobile telephone's assigned voice abbreviations.

Voice dialing is only available with mobile telephones that support this function. Further information regarding voice dialing is to be found in the operating instructions for your mobile telephone.

## Accepting and ending a call

When you receive a call the LED status indicator blinks and you hear a call tone via the hands free device. If the ringing tone is switched off on your mobile phone, a call tone will not be emitted by the hands-free device.

- Press the Multi function button briefly once to accept the call.
- Press the Muti function button briefly once to end the accepted call.

You can also accept and end the call via the mobile telephone.

## Automatic call acceptance

If automatic call acceptance is activated in the mobile telephone, it accepts the incoming call after a determined time period and then passes it on to the hands free device. Further information regarding automatic call acceptance is to be found in the operating instructions for your mobile telephone.

## Rejection of a call

- Press the Multi function button for 3 seconds until a short, high tone followed by a deep signal tone can be heard to reject the incoming call.

## Adjusting the volume of the hands free device

You can adjust the volume of the hands free device with the + and - buttons.

- During a call press the + button repeatedly to increase the volume. When you have reached the highest volume level every time you press the + button you will hear a short signal tone.
- During a call press the - button repeatedly to decrease the volume.

## Switching to mute

- To switch off the headset's microphone, during a call press and hold down the + button. The switch to mute is indicated by a signal tone.
- To switch the microphone back on, briefly press either the + or - button. The switching on of the microphone is indicated by a signal tone.

## Setting the volume for call receiving

You can set the volume on the headset, on which a call should usually be received.

- For this, while in standby mode, press and hold either the + or - button to increase and/or decrease the volume.
  When you have reached the highest volume level every time you press the + button you will hear a short signal tone.

# 5. LED status indicator

| Status | Blue | Yellow | Operation |
|---|---|---|---|
| **Switching on** | Blinks 5 times | | With the headset switched off hold down the Multi function button for 5 seconds. |
| **Switching off** | | Blinks 5 times | With the headset switched on hold down the Multi function button for 3 seconds. |
| **Coupling (pairing)** | Alternating blink blue and yellow | | With the headset switched off hold down the Multi function button for 8 seconds. |
| **Standby mode** | Blinks once every 3 seconds | | |
| **Call active** | Blinks twice every 2 seconds | | |
| **Call received** | Blinks twice every 2 seconds | | |
| **Low battery** | | Blinks continuously | When the battery is low the LED blinks yellow. With a few NOKIA Mobile telephones the LED blinks yellow twice every 3 seconds. |
| **Charge** | | Lights up all the time | The LED goes out when the battery is fully charged. |

# 6. Troubleshooting

If you cannot connect the headset to the compatible mobile telephone, proceed as follows:

- Make sure that the Bluetooth function in the mobile telephone is activated.
- Make sure that the headset is switched on and is being supplied with power.
- If you use several Bluetooth devices, ensure that a previously created Bluetooth connection of the mobile telephone is disconnected.
- Make sure that the headset is located a maximum of 1 meter from the mobile telephone and that no obstacles or electronical devices are placed between them.

If these measures do not correct the problem, please contact the appropriate service partner for your country.

# 7. Cleaning and care

## ⚠ *Risk of electrical shocks.*

- *Before every cleaning disconnect the device's power supply! Remove the power supply unit from the power socket and/or the vehicle adapter from the cigarrette lighter socket (In vehicle receptical) of the vehicle.*
- *NEVER submerse the appliance in water or other liquids!*
- *Do not permit liquids to penetrate into the casing!*
- *Never open the casing of the device! There are no controls inside.*
- *Do not use strong detergents, solvents or abrasive cleaning agents to clean the device. These could damage the casing surfaces.*

- Clean the casing surfaces with a slightly moist soft cloth.

# 8. Technical Data

*This device complies in regard to conformity with the fundamental requirements and other relevent regulations of the vehicle directive 2004/104/EG and the R&TTE directive 99/5/EG.*

## Headset

| | |
|---|---|
| Input: | 5 V ⎓ 100 mA |
| Bluetooth Data: | Version 2.0+EDR, Class 2, 10 Meter |
| Supported Bluetooth Profiles: | Headset and Handsfree Profil (HFP) |
| Frequency range : | 2,402 - 2,48 GHz |
| Battery: | Rechargeable Lithium Polymer battery |
| | 3,7 V ⎓ 120 mAh |
| Charging time: | approx. 2 h |
| Speaking time: | approx. 8 h |
| Standby time: | approx. 200 h |
| Operating temperature: | +5 ~ +35°C |
| Humidity: | 5 ~ 90 % |
| | (no condensation) |
| Dimensions (L x D x H): | 56,5 x 18,8 x 19,2 mm |
| Headset weight: | 10,5 g approx. |

## Mains plug

| | |
|---|---|
| Manufacturer: | Infinia Electronics Co., Ltd. DG. |
| Model: | 564 |
| AC Input: | 100 - 240 V ~ 50/60 Hz, 0,05 A |
| DC Output: | 5 V ⎓ 150 mA |

**Vehicle adapter**

| | |
|---|---|
| Model: | KH2356 |
| DC Input: | 12-24 V ⎓ 0,18A |
| DC Output: | 5 ± 0,2 V ⎓ 350-450 mA |

# 9. Disposal

*Do not dispose of the device in your normal domestic waste.*

Dispose of the device through an approved disposal centre or at your community waste facility.

Observe the currently applicable regulations. In case of doubt, please contact your waste disposal centre.

## *Disposal of packaging*

*Dispose of the packaging materials in an environmentally friendly manner.*

# 10. Importer

KOMPERNASS GMBH
BURGSTRASSE 21
44867 BOCHUM, GERMANY

www.kompernass.com

# 11. Important Warranty Information

The warranty for this device is for 3 years from the date of purchase. Should you, in spite of our high quality standards, have grounds for complaint please contact our Service Hotline. In the event that processing of your complaint is not possible by telephone here you will receive

- a processing number (RMA number) as well as
- an address, to which you can send your product for warranty processing.

In the case of a mail-in shipment please enclose a copy of the purchase receipt (sales slip). The device must be securely packed and rhe RMA number clearly visible. Products sent in without the RMA number cannot be processed.

***Note:***

*The warranty provisions cover only material or factory defects.*
*The warranty provisions do not cover*

- *worn out parts*
- *damage to breakable parts such as switches or batteries/ rechargeable battery packs.*

The device is intended for domestic use only, NOT for commercial purposes. If this product has been subjected to improper or inappropriate handling, abuse, or modifications not carried out by one of our authorised sales and service outlets, the warranty will be considered void.
Your statutory warranty claims are not restricted by this warranty.

Completely fill out this section and enclose it with the device!

SilverCrest

# Warranty

## Bluetooth Headset KH 2356

In order to guarantee a cost free repair procedure please get in touch with the service hotline. Make sure you have your sales slip handy.

Sender, please write clearly:

Last name

First name

Street

Postcode/Place

Country

Telephone

Date/Signature


GB **DES Ltd**
Units 14-15
Bilston Industrial Estate
Oxford Street
Bilston
WV14 7EG
Tel.: 0870/787-6177
Fax: 0870/787-6168
e-mail: support.uk@kompernass.com

Description of the defect: